Statement of Basis of the Federal Operating Permit

Gulf Coast Growth Ventures LLC

Site Name: Gulf Coast Growth Ventures
Area Name: Olefins, Derivative and Utilities
Physical Location: 6414 County Road 1612
Nearest City: Gregory
County: San Patricio

Permit Number: O4169
Project Type: Minor Revision

The North American Industry Classification System (NAICS) Code: 325199
NAICS Name: All Other Basic Organic Chemical Manufacturing

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document may include the following information:

A description of the facility/area process description;
A description of the revision project;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: November 30, 2023

Operating Permit
Basis of Determination

Description of Revisions

GCGV is requesting the following changes:

- Unit GBD02: Remove unit from group GRPHON-PV.
- Units GBD05, GED03, and group GRPHON-PV: Update attributes and applicability for MACT G.
- Unit GDVAC: Add new unit with associated applicability to MACT G and Chapter 115, Subchapter B.
- Unit GCD01: Add new unit with applicability to MACT G and Chapter 115, Subchapter B with associated compliance assurance monitoring.
- Unit GDD03: Add new unit to existing group GRPHON-PV.
- RJT01: Remove applicability to NSPS NNN and 40 CFR Part 65, Subpart D; add applicability to NESHAP FF; update requirements for new index number 61FF-15A with overlap provisions of 63.1095(b)(3) for flares.
- GRPSKIMMER: Delete group and associated units from permit.
- Units RAT25, ARE7945, RDP9996, GDDV7934, DGGV7931, GDIS7927, GDIS7929, TLRD8431, PCCU7038, MNTL7688, ARB7342, CGCC8632, CGCC7316, PFOT7618, & SFOT7255: Add new units to new group (GRPEPVENT) as well as applicability to MACT YY and Chapter 115, Subchapter B along with associated compliance assurance monitoring.
- Unit EMACTUNIT: Add new unit and associated applicability to MACT YY.
- Unit RBD28: Add new unit and applicability to NESHAP FF and Chapter 115, Subchapter B along with associated periodic monitoring; update requirements for new index number 61FF-11A with overlap provisions of 63.1095(b)(3) for flares.
- Units UFD02, UFD03, RBT30, and RJD01: Add new units and applicability to NESHAP FF; update requirements for new index number 61FF-15A with overlap provisions of 63.1095(b)(3) for flares.
- Units RAS02FV, RAS04FV, RAS05FV, RAS06FV, GAS02TV, GAR06TV, GAS07TV, GAR14TV, & GAR15TV: Add new units to new group GRPANVT-1 and applicability to Chapter 115, Subchapter B with associated compliance assurance monitoring.
- Units CAR01AV, CAR02AV, EAR01AV, EAR02AV, EAR03FV, EAR05AV, EAR06AV, EAS01AV, EAS01FV, EAS02AV, EAS02FV, EAS03AV, EAS03FV, FAS01AV1, FAS01AV2, FAS01WR, FAS02AV1, FAS02AV2, FAS02WR, FAS03AV1, FAS03AV2, FAS03WR, FAS04AV1, FAS04AV2, FAS04WR, RAR06FV, RAR07FV, RAT08FV, RAS01AV, RAS02AV, RAS03AV, RAS04AV, RAS05AV, RAS06AV, UAR01AV, UAR06AV, UAR07AV, UAS01AV, UAS01FV, UAS02AV, UAS03AV, UAS04AV, UAS06AV, UAS07AV, GAS01AV, GAS02AV, GAR09AV, GAS01FV, and GAS02FV: Add new units to new group GRPANVT-2 with applicability to Chapter 115, Vent Gas Controls.
- Units OLDUNLOAD and OLDTANK: Add new units and applicability to MACT EEEE.
- RAX10TK1UL: Add new unit and applicability to Chapter 115, Subchapter C.
- Units ZWTK01 and ZWTK02: Add new units to new group GRPEQTANK along with requirements for 30 TAC Chapter 115, Storage Tanks, NSPS Kb, NESHAP FF, and MACT YY.
- GRPBOILER – Update requirements for index numbers 63DDDD-1 and 63DDDD-2. Manual solution sets will be replaced with database generated requirements. These requirements are manually updated based on information received from the permit holder.
- Group GRPHFOTANK: Remove index number 63YY-INC and update all remaining index numbers for MACT YY to correspond to requirements applicable after July 6, 2023.
- Unit O_FUG: Update requirements for MACT YY (63YY-ALL) to correspond to requirements applicable after July 6, 2023.
- Unit UCCT01: Update requirements for MACT YY index number 63YY-CT.
- Unit ZTTK04: Update requirements for MACT YY index number 63YY-1.
- Group GRPFURNACE: Add applicability to MACT YY.
- Unit EMAINTVT: Add new unit and applicability to MACT YY.
- Group GRPCPEBPL: Remove index number 63FFFF-17 and update requirements for all remaining index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023
- Group GRPCPEBPV: Remove index number 63FFFF-13 and update requirements for all remaining index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023

- Group GRPCPECPV: Remove index number 63FFFF-2 and update requirements for all remaining index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023
- Group GRPEMPEBPL: Remove index number 63FFFF-17 and update requirements for all remaining index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023
- Group GRPEMPEBPV: Remove index number 63FFFF-13 and update requirements for all remaining index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023
- Group GRPEMPECPV: Remove index number 63FFFF-2 and update requirements for all remaining index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023
- Unit C_FUG: Update requirements for MACT FFFF (63FFFF-ALL) to correspond to requirements applicable after August 12, 2023
- Unit E_FUG: Update requirements for MACT FFFF (6 3FFFF-ALL) to correspond to requirements applicable after August 12, 2023
- Unit U_FUG: Update requirements for MACT FFFF (63FFFF-ALL) to correspond to requirements applicable after August 12, 2023, and update requirements for MACT YY (63YY-ALL) to correspond to requirements applicable after July 6, 2023
- Unit PE-REGEN: Update requirements for MACT FFFF (63FFFF-9) to correspond to requirements applicable after August 12, 2023
- Unit PROPEMCPU: Update requirements for MACT FFFF (63FFFF-MCPU) to correspond to requirements applicable after August 12, 2023
- Unit ZTD08: Update requirements for all index numbers for MACT FFFF to correspond to requirements applicable after August 12, 2023
- Unit MMAINTVT: Add new unit with applicability to MACT FFFF
- Unit GAD03: Update periodic monitoring requirement for index number R5112-14
- Units UENG01 and UENG02: Add units to new group GRPWP1 along with applicability to MACT ZZZZ and NSPS IIII
- Unit OLDTANK: Update NSR authorizations to include 106.478.
- Unit ZTD12: Add index number R5131-2 for Chapter 115, Water Separation along with periodic monitoring, and update periodic monitoring for Chapter 115, Water Separation, index number R5131-1
- Update Major NSR Summary Table to reflect current information.
- Update PBR supplemental tables to include additional PBRs.

Permit Area Process Description
Gulf Coast Growth Ventures LLC (GCGV) is a grassroots olefin and derivatives manufacturing complex located near Gregory in San Patricio County, which includes a process unit that will convert market pipeline ethane to olefins (“the Olefins unit”) and multiple derivative units which will receive the ethylene, produced in the Olefins unit, as feed. The derivative units include two polyethylene units and a Mono-Ethylene Glycol (MEG) Unit. The utilities and infrastructure onsite support facilities include steam, rail, cooling water, liquid transport, and wastewater treatment.

FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Pollutants	VOC, PM, NOX, HAPS, CO

Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements
    - Compliance Requirements
    - Protection of Stratosphere Ozone
    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list
- Appendix B
    - Copies of major NSR authorizations

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on an OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table is based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirements Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirements Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for	Yes

Hazardous Air Pollutants (NESHAPs)	
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CSAPR (Cross-State Air Pollution Rule)	No
Federal Implementation Plan for Regional Haze (Texas SO_2 Trading Program)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the “Permit Shield” attachment of the permit.

Insignificant Activities and Emission Units

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

De Minimis Sources

1. Sources identified in the “De Minimis Facilities or Sources” list maintained by TCEQ. The list is available at https://www.tceq.texas.gov/permitting/air/newsourcereview/de_minimis.html.

Miscellaneous Sources

2. Office activities such as photocopying, blueprint copying, and photographic processes.
3. Outdoor barbecue pits, campfires, and fireplaces.
4. Storage and handling of sealed portable containers, cylinders, or sealed drums.
5. Vehicle exhaust from maintenance or repair shops.
6. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
7. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
8. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
9. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
10. Well cellars.

11. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
12. Equipment used exclusively for the melting or application of wax.
13. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
14. Battery recharging areas.

Sources Authorized by 30 TAC Chapter 106, Permits by Rule

15. Sources authorized by §106.102: Combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil.
16. Sources authorized by §106.122: Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
17. Sources authorized by §106.141: Batch mixers with rated capacity of 27 cubic feet or less for mixing cement, sand, aggregate, lime, gypsum, additives, and/or water to produce concrete, grout, stucco, mortar, or other similar products.
18. Sources authorized by §106.143: Wet sand and gravel production facilities that obtain material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and have a production rate of 500 tons per hour or less.
19. Sources authorized by §106.148: Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations.
20. Sources authorized by §106.149: Sand and gravel production facilities that obtain material from deposits of sand and gravel consisting of natural disintegration of rock and stone, provided that crushing or breaking operations are not used and no blasting is conducted to obtain the material.
21. Sources authorized by §106.161: Animal feeding operations which confine animals in numbers specified and any associated on-site feed handling and/or feed millings operations, not including caged laying and caged pullet operations.
22. Sources authorized by §106.162: Livestock auction sales facilities.
23. Sources authorized by §106.163: All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities, other than incineration units.
24. Sources authorized by §106.229: Equipment used exclusively for the dyeing or stripping of textiles.
25. Sources authorized by §106.241: Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration.
26. Sources authorized by §106.242: Equipment used in eating establishments for the purpose of preparing food for human consumption.
27. Sources authorized by §106.243: Smokehouses in which the maximum horizontal inside cross-sectional area does not exceed 100 square feet.
28. Sources authorized by §106.244: Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption.
29. Sources authorized by §106.266: Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes.
30. Sources authorized by §106.301: Aqueous fertilizer storage tanks.
31. Sources authorized by §106.313: All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
32. Sources authorized by §106.316: Equipment used for inspection of metal products.
33. Sources authorized by §106.317: Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
34. Sources authorized by §106.318: Die casting machines.
35. Sources authorized by §106.319: Foundry sand mold forming equipment to which no heat is applied.

36. Sources authorized by §106.331: Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets.
37. Sources authorized by §106.333: Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives.
38. Sources authorized by §106.372: Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
39. Sources authorized by §106.391: Presses used for the curing of rubber products and plastic products.
40. Sources authorized by §106.394: Equipment used for compression molding and injection molding of plastics.
41. Sources authorized by §106.414: Equipment used exclusively for the packaging of lubricants or greases.
42. Sources authorized by §106.415: Laundry dryers, extractors, and tumblers used for fabrics cleaned with water solutions of bleach or detergents.
43. Sources authorized by §106.431: Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form.
44. Sources authorized by §106.432: Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents.
45. Sources authorized by §106.451: Blast cleaning equipment using a suspension of abrasives in water.
46. Sources authorized by §106.453: Equipment used for washing or drying products fabricated from metal or glass, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
47. Sources authorized by §106.471: Equipment used exclusively to store or hold dry natural gas.
48. Sources authorized by §106.531: Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
EMACTUNIT	40 CFR Part 63, Subpart YY	63YY-XX	UNIT TYPE = EMISSION UNIT Technical Information/Description = Waste stream from ethylene process containing HAPs specified in 63.1103(e)(3)-Table 7.g.1	The rule citations were determined from an analysis of the rule text and the basis of determination.
MMAINTVT	40 CFR Part 63, Subpart FFFF	63FFFF-MV	UNIT TYPE = EMISSION POINT Technical Information/Description = Maintenance vent (vent is only used as a result of startup, shutdown, maintenance, or inspection of equipment where equipment is emptied, depressurized, degassed, or placed into service).	The rule citations were determined from an analysis of the rule text and the basis of determination.
ADMINGEN	40 CFR Part 60, Subpart IIII	60IIII-3	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is an emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005 Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Model Year = CI ICE was manufactured in model year 2017 or later. Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW. Standard = The emergency CI ICE does not meet the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year) Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.	
ADMINGEN	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-10	HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
GRPEMRGGEN	40 CFR Part 60, Subpart IIII	60IIII-3	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is an emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005	

			Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Model Year = CI ICE was manufactured in model year 2015. Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW. Standard = The emergency CI ICE does not meet the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year) Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.	
GRPEMRGGEN	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-10	HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
GRPFWP	40 CFR Part 60, Subpart IIII	60IIII-1	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements. Commencing = CI ICE was newly constructed after 07/11/2005 Manufacture Date = Date of manufacture was after 07/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder. Model Year = CI ICE was manufactured in model year 2015. Kilowatts = Power rating is greater than or equal to 450 KW and less than or equal to 560 KW. Standard = The emergency CI ICE does not meet the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year) Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.	
GRPFWP	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-10	HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.	

			Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
GRPWP1	40 CFR Part 60, Subpart IIII	60IIII-5	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is a non-emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005 Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder. Generator Set = The CI ICE is not a generator set engine. Model Year = CI ICE was manufactured in model year 2017 or later. Install Date = The CI ICE was installed in 2016 or later. Kilowatts = Power rating is greater than or equal to 75 KW and less than 130 KW. Filter = The CI ICE is not equipped with a diesel particulate filter. AECD = The CI ICE is not equipped with auxiliary emission control devices (AECDs) pursuant to the requirements of 40 CFR 1039.665 Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.	
GRPWP1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-11	HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Normal use. Stationary RICE Type = Compression ignition engine	
ADMINGEN TK	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
ADMINGEN TK	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid	

			Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GAD03	30 TAC Chapter 115, Storage of VOCs	R5112-14	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 11 psia Control Device Type = Carbon adsorber (non-regenerative).	
GAD03	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GDD08	30 TAC Chapter 115, Storage of VOCs	R5112-16	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
GDD08	40 CFR Part 60, Subpart Kb	60Kb-6	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia	
GDD09	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
GDD09	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	

GED04	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
GED04	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPEQTANK	30 TAC Chapter 115, Storage of VOCs	R5112-31	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia Control Device Type = Catalytic incinerator	
GRPEQTANK	40 CFR Part 60, Subpart Kb	60Kb-36	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)	
GRPEQTANK	40 CFR Part 61, Subpart FF	61FF-2	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of	

			compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation. Alternate Monitoring Parameters = Alternate monitoring parameters not requested	
GRPEQTANK	40 CFR Part 63, Subpart YY	63YY-1	Source Type = Tank is at an ethylene production facility. Existing Source = Polycarbonate unit is located at an existing source. Process Wastewater = Tank manages a Group 1 wastewater stream subject to § 63.1106(a). Subject to §63.1106(c)(3) = Tank is controlled at least as stringently as Table 35 of 40 CFR Part 63, Subpart G.	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPFWPTK	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
GRPFWPTK	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPGENTK	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
GRPGENTK	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPGLYTANK	30 TAC Chapter 115, Storage of VOCs	R5112-16	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
GRPGLYTA	40 CFR Part 60, Subpart Kb	60Kb-24	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)	

NK			Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
GRPGLYTANK	40 CFR Part 63, Subpart G	63G-1	MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.	
GRPHFOTANK	30 TAC Chapter 115, Storage of VOCs	R5112-16	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
GRPHFOTANK	30 TAC Chapter 115, Storage of VOCs	R5112-21	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia Control Device Type = Flare	
GRPHFOTANK	30 TAC Chapter 115, Storage of VOCs	R5112-21A	Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.	
GRPHFOTANK	30 TAC Chapter 115, Storage of VOCs	R5112-22	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia Control Device Type = Direct-flame incinerator	
GRPHFOTA	30 TAC Chapter 115, Storage of	R5112-25	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption	

NK	VOCs		criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia Control Device Type = Other control device	
GRPHFOTANK	40 CFR Part 60, Subpart Kb	60Kb-24	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
GRPHFOTANK	40 CFR Part 63, Subpart YY	63YY-BLR	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPHFOTANK	40 CFR Part 63, Subpart YY	63YY-FL	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPHFOTANK	40 CFR Part 63, Subpart YY	63YY-FLA	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPHFOTANK	40 CFR Part 63, Subpart YY	63YY-INC1	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPPETANK	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
GRPPETANK	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
OLDTANK	40 CFR Part 63, Subpart EEEE	63EEEE-2	Product Stored = Organic HAP containing liquid other than crude oil.	The rule citations were determined from an analysis of the rule text and the basis of determination.
RAD02	30 TAC Chapter 115, Storage of VOCs	R5112-11	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS)	

			True Vapor Pressure = True vapor pressure is greater than or equal to 11 psia Control Device Type = Flare	
RAD02	40 CFR Part 60, Subpart Kb	60Kb-5	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)	
RBT30	40 CFR Part 61, Subpart FF	61FF-14	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.	
RBT30	40 CFR Part 61, Subpart FF	61FF-15	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.	

			Control Device Type/Operation = Flare	
RBT30	40 CFR Part 61, Subpart FF	61FF-15A	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18 Monitoring/Testing: Added [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), § 61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)
RBT30	40 CFR Part 61, Subpart FF	61FF-16	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are routed to a fuel gas system.	
RJD01	40 CFR Part 61, Subpart FF	61FF-14	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of	

			compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.	
RJD01	40 CFR Part 61, Subpart FF	61FF-15	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	
RJD01	40 CFR Part 61, Subpart FF	61FF-15A	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18. Monitoring/Testing: Added [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), § 61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)

RJD01	40 CFR Part 61, Subpart FF	61FF-16	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are routed to a fuel gas system.	
RJT01	40 CFR Part 61, Subpart FF	61FF-14	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.	
RJT01	40 CFR Part 61, Subpart FF	61FF-15	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).	

			Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	
RJT01	40 CFR Part 61, Subpart FF	61FF-15A	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18 Monitoring/Testing: Added [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), § 61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)
RJT01	40 CFR Part 61, Subpart FF	61FF-16	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are routed to a fuel gas system.	
SCTOTE-GLY	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	

SCTOTE-GLY	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TOTES	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
TOTES	40 CFR Part 60, Subpart Kb	60Kb-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
UFD02	40 CFR Part 61, Subpart FF	61FF-15	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	
UFD02	40 CFR Part 61, Subpart FF	61FF-15A	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18 Monitoring/Testing: Added [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), § 61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)

			Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	
UFD02	40 CFR Part 61, Subpart FF	61FF-16	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are routed to a fuel gas system.	
UFD03	40 CFR Part 61, Subpart FF	61FF-15	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	
UFD03	40 CFR Part 61, Subpart FF	61FF-15A	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18 Monitoring/Testing: Added [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), § 61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)

			Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Control Device Type/Operation = Flare	
UFD03	40 CFR Part 61, Subpart FF	61FF-16	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device. Fuel Gas System = Gaseous emissions from the tank or enclosure are routed to a fuel gas system.	
UTD04	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
UTD04	40 CFR Part 60, Subpart Kb	60Kb-6	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia	
ZMTK01	30 TAC Chapter 115, Storage of VOCs	R5112-4	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia	
ZMTK01	40 CFR Part 60,	60Kb-1	Product Stored = Product stored at a gasoline service station	

	Subpart Kb			
ZMTK02	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
ZMTK02	40 CFR Part 60, Subpart Kb	60Kb-5	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)	
ZTD08	30 TAC Chapter 115, Storage of VOCs	R5112-26	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 11 psia Control Device Type = Flare	
ZTD08	30 TAC Chapter 115, Storage of VOCs	R5112-26A	Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.	
ZTD08	30 TAC Chapter 115, Storage of VOCs	R5112-27	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 11 psia Control Device Type = Direct-flame incinerator	
ZTD08	30 TAC Chapter 115, Storage of VOCs	R5112-30	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.	

			Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 11 psia Control Device Type = Other control device	
ZTD08	40 CFR Part 63, Subpart FFFF	63FFFF-5	Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not being used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver was not requested. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(iv), § 63.2450(e)(5)(v), § 63.2450(u), § 63.2535(m)(2), § [G] 63.670, Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3). Monitoring/Testing: Added § [G] 63.671, Deleted: § [G] 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § 63.998(d)(1)(i), § [G] 63.998(d)(1)(iii), § 63.998(d)(1)(iv), § 63.2450(e)(5)(iii), § 63.2525(g), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.987(c), § 63.998(a)(1), § [G] 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G] 63.998(b)(1), § [G] 63.998(b)(2), § [G] 63.998(b)(3), § [G] 63.998(b)(5), § [G] 63.998(c)(1), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(d)(3), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), Deleted: § 63.2450(f)(2)(ii), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2). Added Related Standard [G]§ 63.2470(f), Monitoring/Testing citation [G]§ 63.2470(f) and Recordkeeping citation § 63.2470(f)(3) as these apply when degassing the storage tank.

ZTD08	40 CFR Part 63, Subpart FFFF	63FFFF-5A	Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not being used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver was not requested. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § [G] 63.2450(e)(5), § 63.2535(m)(2), § 63.2450(u), § [G] 63.670; Deleted § 63.11(b), § 63.987(b)(3), § 63.987(a), § 63.987(b)(1), § [G] 63.997(c)(1), § 63.997(c)(3). Monitoring/Testing: Added § [G] 63.671, [G] 63.2450(c)(2)(i); Deleted § [G] 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § [G] 63.2525(m), § [G] 63.670, § [G] 63.671, § 63.998(d)(1)(i), § [G] 63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted § 63.987(c), § 63.998(a)(1), § [G] 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G] 63.998(b)(1), § [G] 63.998(b)(2), § [G] 63.998(b)(3), § [G] 63.998(b)(5), § [G] 63.998(c)(1), § [G] 63.998(d)(1), § 63.998(d)(5), § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(d)(3), § [G] 63.2520(e)(11), § [G] 63.670, [G] § [G] 63.671; Deleted § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2), § 63.2450(f)(2)(ii) Added Related Standard [G]§ 63.2470(f), Monitoring/Testing citation [G]§ 63.2470(f) and Recordkeeping citation § 63.2470(f)(3) as these apply when degassing the storage tank.
ZTD08	40 CFR Part 63, Subpart FFFF	63FFFF-6	Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet a ppmv standard per § 63.2470(a)-Table 4.1.b.ii Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A continuous parameter monitoring system is used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. HAL Device Type = No halogen scrubber or other halogen reduction device is used. Prior Test = The data from a prior performance test is not used. Test Waiver = The Administrator has not granted a waiver of the performance test or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(i)(3), § 63.2450(u), Deleted: § [G] 63.997(c)(1), § 63.2450(i)(1), § 63.2450(i)(2).. Monitoring/Testing: Added 63.2450(c)(2)(i), § 63.2450(g)(6), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8), Deleted; § [G] 63.997(c)(1). Recordkeeping: Added: § 63.998(d)(1)(i), § [G] 63.998(d)(1)(iii), § 63.998(d)(1)(iv), § 63.2450(g)(6), § 63.2450(k)(1)(ii), § 63.2450(e)(4)(viii), § 63.998(d)(1), § 63.998(c)(1)(i), § 63.998(c)(1)(ii)(A), 63.998(c)(1)(ii)(B), 63.998(c)(1)(ii)(C), 63.998(c)(1)(ii)(H), Deleted § 63.996(c)(2)(ii), § [G] 63.998(c)(1), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), Reporting: Added: § 63.2450(g)(5).

			Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	Added Related Standard [G]§ 63.2470(f), Monitoring/Testing citation [G]§ 63.2470(f) and Recordkeeping citation § 63.2470(f)(3) as these apply when degassing the storage tank. Deleted Related Standard § 63.982(c)(2) as it does not apply to storage tanks. Added Related Standard § 63.982(c)(1) as it applies to storage tanks and low throughput transfer racks.
ZTD08	40 CFR Part 63, Subpart FFFF	63FFFF-7	Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A continuous parameter monitoring system is used. SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. HAL Device Type = No halogen scrubber or other halogen reduction device is used. Prior Test = The data from a prior performance test is not used. Test Waiver = The Administrator has not granted a waiver of the performance test or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023.: Related Standards: Added § 63.985(a), § 63.985(b)(2)(i), 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(u). Monitoring/Testing: Added § 63.985(b)(2)(i), Deleted; § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), § [G] 63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6), § 63.996(b)(1)(i), § 63.996(b)(2). Recordkeeping: Added: § 63.998(d)(1)(i), § [G] 63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted § 63.2450(k)(6), § 63.2525(g), § 63.2525(h), § 63.996(c)(2)(ii), § [G] 63.998(b)(1), § [G] 63.998(b)(2), § [G] 63.998(b)(3), § [G] 63.998(b)(5), § [G] 63.998(c)(1), § 63.998(c)(2)(iii), § 63.998(c)(3)(iii), § 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: § 63.996(b)(2), § 63.996(c)(6), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(b)(3), § [G] 63.999(c)(6)(i). Added Related Standard [G]§ 63.2470(f), Monitoring/Testing citation [G]§ 63.2470(f) and Recordkeeping citation § 63.2470(f)(3) as these apply when degassing the storage tank. Deleted Related Standard § 63.982(c)(2) as it does not apply to storage tanks. Added Related Standard § 63.982(c)(1) as it applies to storage tanks and low throughput transfer racks.
ZTTK02	30 TAC Chapter 115, Storage of VOCs	R5112-16	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
ZTTK02	40 CFR Part 60, Subpart Kb	60Kb-24	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)	

			Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
ZTTK02	40 CFR Part 63, Subpart G	63G-1	MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.	
ZTTK03	30 TAC Chapter 115, Storage of VOCs	R5112-16	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.5 psia	
ZTTK03	40 CFR Part 60, Subpart Kb	60Kb-24	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
ZTTK03	40 CFR Part 63, Subpart G	63G-1	MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.	
ZTTK04	30 TAC Chapter 115, Storage of VOCs	R5112-20	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using an internal floating roof with slotted sampling and gauge pipes True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia	
ZTTK04	40 CFR Part 60, Subpart Kb	60Kb-35	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal	
ZTTK04	40 CFR Part 61,	61FF-1	Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.	

	Subpart FF		Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351. Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1) Seal Type = Mechanical shoe seal	
ZTTK04	40 CFR Part 63, Subpart YY	63YY-1	Source Type = Tank is at an ethylene production facility.	The rule citations were determined from an analysis of the rule text and the basis of determination.
ZTTK05	30 TAC Chapter 115, Storage of VOCs	R5112-20	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons Construction Date = On or after May 12, 1973 Tank Description = Tank using an internal floating roof with slotted sampling and gauge pipes True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia but less than 11 psia	
ZTTK05	40 CFR Part 60, Subpart Kb	60Kb-35	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal	
CCD81-LOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-11	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
DREFUSTN	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
GLYUNLOA	30 TAC Chapter	R5212-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk	

D	115, Loading and Unloading of VOC		plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
GLYUNLOAD	40 CFR Part 63, Subpart EEEE	63EEEE-1	Existing Source = Source is a new source Transfer Operation = Transfer rack only unloads organic liquids	The rule citations were determined from an analysis of the rule text and the basis of determination.
GREFUSTN	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-1	Chapter 115 Facility Type = Motor vehicle fuel dispensing facility	
GRPGLYLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-4	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
GRPGLYLOAD	40 CFR Part 63, Subpart G	63G-10	Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111). Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.	
GRPUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-3	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216, § 115.216(3)(A), § 115.216(3)(A)(i), and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
GRPUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-6	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216, § 115.216(3)(A), § 115.216(3)(A)(i), and §

			Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
MEOHUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-3	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216, § 115.216(3)(A), § 115.216(3)(A)(i), and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
MEOHUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-6	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216, § 115.216(3)(A), § 115.216(3)(A)(i), and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
MEOHUNLOAD	40 CFR Part 63, Subpart EEEE	63EEEE-1	Existing Source = Source is a new source Transfer Operation = Transfer rack only unloads organic liquids	The rule citations were determined from an analysis of the rule text and the basis of determination.
OLDUNLOAD	40 CFR Part 63, Subpart EEEE	63EEEE-1	Existing Source = Source is a new source Transfer Operation = Transfer rack only unloads organic liquids	The rule citations were determined from an analysis of the rule text and the basis of determination.
RAX10TK1UL	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.	

			Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
RLOAD-C3	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-7	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Control Options = Vapor balance system. Chapter 115 Control Device Type = No control device. Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216(3)(A)(i) and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
RLOAD-C3	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-8	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Control Options = Vapor balance system. Chapter 115 Control Device Type = No control device. Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216(3)(A)(i) and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
RLOAD-HFO	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-5	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia.	

			Daily Throughput = Loading less than 20,000 gallons per day.	
SLOPUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-3	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216, § 115.216(3)(A), § 115.216(3)(A)(i), and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
SLOPUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-6	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized. Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	Related standard: Deleted citation § 115.214(b)(1)(C) since it does not apply when tank trucks are not filled with or emptied of gasoline. Recordkeeping: Deleted citations § 115.216, § 115.216(3)(A), § 115.216(3)(A)(i), and § 115.216(3)(A)(iii) since they are linked to § 115.214(b)(1)(C)
SLOPUNLOAD	40 CFR Part 63, Subpart EEEE	63EEEE-1	Existing Source = Source is a new source Transfer Operation = Transfer rack only unloads organic liquids	The rule citations were determined from an analysis of the rule text and the basis of determination.
TLOAD-SLOP	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-5	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia. Daily Throughput = Loading less than 20,000 gallons per day.	
WASHUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being	

			utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
WASHUNLOAD	40 CFR Part 63, Subpart EEEE	63EEEE-1	Existing Source = Source is a new source Transfer Operation = Transfer rack only unloads organic liquids	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPBOILER	40 CFR Part 60, Subpart Db	60Db-1	Construction/Modification Date = Constructed or reconstructed after February 28, 2005. Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. D-Series Fuel Type #1 = Natural gas. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. ACF Option - SO2 = Other ACF or no ACF. ACF Option - PM = Other ACF or no ACF. ACF Option - NOx = Other ACF or no ACF. 60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative. PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. NOx Monitoring Type = Continuous emission monitoring system. SO2 Monitoring Type = Fuel certification (based on fuel analysis per § 60.49b(r)(2)).	

			Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions Unit Type = OTHER UNIT TYPE Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft^3. Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.	
GRPBOILER	40 CFR Part 60, Subpart Db	60Db-2	Construction/Modification Date = Constructed or reconstructed after February 28, 2005. Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. D-Series Fuel Type #1 = Natural gas. D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. ACF Option - SO2 = Other ACF or no ACF. ACF Option - PM = Other ACF or no ACF. ACF Option - NOx = Other ACF or no ACF. 60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative. PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. NOx Monitoring Type = Continuous emission monitoring system. SO2 Monitoring Type = Fuel certification (based on fuel analysis per § 60.49b(r)(2)). Technology Type = No emerging or conventional technology is used to reduce or control	

			SO2 emissions Unit Type = OTHER UNIT TYPE Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft^3. Heat Input Gas/Oil = The facility does not combust natural gas or distillate oil in excess of 30 % of the heat input from the combustion of all fuels.	
GRPBOILER	40 CFR Part 63, Subpart DDDDD	63DDDDD-1	Commence = Source is new (commenced construction after June 4, 2010) Table Applicability = The unit is designed to utilize a continuous oxygen trim system	Related Standard: Added [G] § 63.7540(a)(5) for mercury fuel testing Monitoring/Testing: Added [G] § 63.7521(f), [G] § 63.7521(g), § 63.7521(h), § 63.7521(i), and [G] § 63.7540(c) for mercury fuel testing to show that fuel is gas 1; Deleted § 63.7525(a)(7) because the unit is not subject to a CO emission limit. Recordkeeping: Added [G] § 63.7555(a)(2), § 63.7555(g), and § 63.7555(h) for mercury fuel testing to show that fuel is gas 1 Reporting: Added [G] § 63.7545(f) and [G] § 63.7545(h) to address potential future fuel changes; Deleted § 63.7530(e) and § 63.7545(b) since these only apply to existing units
GRPBOILER	40 CFR Part 63, Subpart DDDDD	63DDDDD-2	Commence = Source is new (commenced construction after June 4, 2010) Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr	Related Standard: Added [G] § 63.7540(a)(5) for mercury fuel testing; Deleted § 63.7540(a)(1) since the operating limits in Table 4 pertain to units with emission limits, not work practice standards. Monitoring/Testing: Deleted § 63.7530(g) Since there is no demonstration that a gaseous fuel meets the specifications of another gas 1 fuel Reporting: Added [G] § 63.7545(f) and [G] § 63.7545(h) to address potential future fuel changes; Deleted § 63.7530(e) and § 63.7545(b) since these only apply to existing units
GFFLARE01	30 TAC Chapter 111, Visible Emissions	R1111-2	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	
GFFLARE01	40 CFR Part 60, Subpart A	60A-1	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
GFFLARE01	40 CFR Part 60, Subpart A	60A-2	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but	

			less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
GFFLARE01	40 CFR Part 60, Subpart A	60A-3	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)	
GFFLARE01	40 CFR Part 63, Subpart A	63A-1	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
GFFLARE01	40 CFR Part 63, Subpart A	63A-2	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
GFFLARE01	40 CFR Part 63, Subpart A	63A-3	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).	
UFFLARE01	30 TAC Chapter 111, Visible Emissions	R1111-2A	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	
UFFLARE01	40 CFR Part 63,	63CC-01	Flare Control Device = Flare controls a source subject to another 40 CFR Part 60, 61, or 63 subpart which allows or requires compliance with § 63.670.	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were

	Subpart CC		Operating Limits = Flare complies with operating parameters and values in § 63.670(d)-(f) Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but less than 400 ft/s Perimeter Assist Air = Flare does not receive perimeter assist air	added or removed to address this compliance option: Related Standards: Added § 63.670(o)(2)(ii) § 63.670(o)(3)(i); Deleted § 63.670(b), § 63.670(d), § 63.670(d)(2), [G] § 63.670(o)(2), [G] § 63.670(o)(3) Monitoring/Testing: Added § 63.670(l)(5)(ii); Deleted § 63.670(b), § 63.670(d)(2), § 63.670(g), [G] § 63.670(k), [G] § 63.670(l) Recordkeeping: Added § 63.670(p) Reporting: Added § 63.670(l)(5)(ii), § 63.670(o)(2)(ii); Deleted [G] § 63.670(l), [G] § 63.670(o)(2), § 63.670(q).
UFFLARE02	30 TAC Chapter 111, Visible Emissions	R1111-2	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	
UFFLARE02	40 CFR Part 60, Subpart A	60A-1	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
UFFLARE02	40 CFR Part 60, Subpart A	60A-2	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
UFFLARE02	40 CFR Part 60, Subpart A	60A-3	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)	
UFFLARE02	40 CFR Part 63, Subpart A	63A-1	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted	

			Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
UFFLARE02	40 CFR Part 63, Subpart A	63A-2	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
UFFLARE02	40 CFR Part 63, Subpart A	63A-3	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).	
C_FUG	40 CFR Part 60, Subpart DDD	60DDD-ALL	SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.	
C_FUG	40 CFR Part 63, Subpart FFFF	63FFFF-ALL	Existing Source = Fugitive unit contains equipment in a new Miscellaneous Chemical Processing Unit.	The rule citations were determined from an analysis of the rule text and the basis of determination.
E_FUG	40 CFR Part 60, Subpart DDD	60DDD-ALL	SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.	
E_FUG	40 CFR Part 63, Subpart FFFF	63FFFF-ALL	Existing Source = Fugitive unit contains equipment in a new Miscellaneous Chemical Processing Unit.	The rule citations were determined from an analysis of the rule text and the basis of determination.
G_FUG	40 CFR Part 60, Subpart VVa	60VVA-ALL	SOP Index No. = Fugitive unit has all components with the exception of closed vent systems and control devices.	
G_FUG	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.	
O_FUG	40 CFR Part 60, Subpart VVa	60VVA-ALL	SOP Index No. = Fugitive unit has all components with the exception of closed vent systems and control devices.	
O_FUG	40 CFR Part 63, Subpart YY	63YY-ALL	Source Type = Ethylene Production. Equipment Type = The fugitive unit contains equipment, as defined in § 63.1101, contacting hazardous air pollutants in Tables 1 through 7 or Table 9, as appropriate.	The rule citations were determined from an analysis of the rule text and the basis of determination.

U_FUG	40 CFR Part 60, Subpart DDD	60DDD-ALL	SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.	
U_FUG	40 CFR Part 60, Subpart VVa	60VVA-ALL	SOP Index No. = Fugitive unit has all components with the exception of closed vent systems and control devices.	
U_FUG	40 CFR Part 63, Subpart FFFF	63FFFF-ALL	Existing Source = Fugitive unit contains equipment in a new Miscellaneous Chemical Processing Unit.	The rule citations were determined from an analysis of the rule text and the basis of determination.
U_FUG	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.	
U_FUG	40 CFR Part 63, Subpart YY	63YY-ALL	Source Type = Ethylene Production. Equipment Type = The fugitive unit contains equipment, as defined in § 63.1101, contacting hazardous air pollutants in Tables 1 through 7 or Table 9, as appropriate.	The rule citations were determined from an analysis of the rule text and the basis of determination.
UCCT01	40 CFR Part 63, Subpart Q	63Q-1	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	
UCCT01	40 CFR Part 63, Subpart YY	63YY-CT	Heat Exchange System = The cooling tower/heat exchange system is subject to the requirements of 40 CFR § 63.1100(e).	The rule citations were determined from an analysis of the rule text and the basis of determination.
RBD28	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.	
RBD28	30 TAC Chapter 115, Water Separation	R5131-2	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.	
RBD28	40 CFR Part 61, Subpart FF	61FF-10	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)	

			Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349 By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER Engineering Calculations = ENGINEERING CALCULATIONS ARE USED TO DEMONSTRATE CONTROL DEVICE PERFORMANCE Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF	
RBD28	40 CFR Part 61, Subpart FF	61FF-11	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC) Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349 By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE Control Device Type/Operation = FLARE	
RBD28	40 CFR Part 61, Subpart FF	61FF-11A	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC) Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349 By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE Control Device Type/Operation = FLARE	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18 Monitoring/Testing: Added [G] § 63.671; Deleted § 60.18(f)(2), § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), § 61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)
RBD28	40 CFR Part 61, Subpart FF	61FF-12	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = GASEOUS EMISSIONS ARE ROUTED TO A FUEL GAS SYSTEM	
ZTD12	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.	

ZTD12	30 TAC Chapter 115, Water Separation	R5131-2	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.	
ZTD12	40 CFR Part 61, Subpart FF	61FF-10	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC) Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349 By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER Engineering Calculations = ENGINEERING CALCULATIONS ARE USED TO DEMONSTRATE CONTROL DEVICE PERFORMANCE Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF	
ZTD12	40 CFR Part 61, Subpart FF	61FF-11	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC) Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349 By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE Control Device Type/Operation = FLARE	
ZTD12	40 CFR Part 61, Subpart FF	61FF-11A	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC) Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349 By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE Control Device Type/Operation = FLARE	In this operating scenario, the requirements correspond to those for multi-point flares applicable after July 6, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.1095(b)(3), [G] § 63.1103(e)(4), [G] § 63.670; Deleted § 60.18 Monitoring/Testing: Added [G] § 63.671; Deleted § 60.18(f)(2), § 61.354(c), § 61.354(c)(3) Recordkeeping: Added [G] § 63.1109(e), [G] § 63.670, [G] § 63.671; Deleted § 61.354(c), § 61.354(c)(3), § 61.356(j)(7) Reporting: Added [G] § 63.1110(d), § 63.1110(e)(4), [G] § 63.670, [G] § 63.671; Deleted § 61.357(d)(7), §

				61.357(d)(7)(iv), § 61.357(d)(7)(iv)(F)
ZTD12	40 CFR Part 61, Subpart FF	61FF-12	Alternate Means of Compliance = NO Alternative Standards for Oil-Water Separator = NO Fuel Gas System = GASEOUS EMISSIONS ARE ROUTED TO A FUEL GAS SYSTEM	
C-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
C-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
C-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
C-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the	

			combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
EMAINTVT	40 CFR Part 63, Subpart YY	63YY-MV	Source Type = Ethylene production	The rule citations were determined from an analysis of the rule text and the basis of determination.
E-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
E-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
E-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ	

			Executive Director.	
E-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GBD02	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GBD02	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GBD02	40 CFR Part 63, Subpart G	63G-5A	Overlap = Title 40 CFR Part 60, Subpart RRR Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Flare Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.	

			Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.	
GBD02	40 CFR Part 63, Subpart G	63G-5B	Overlap = Title 40 CFR Part 60, Subpart RRR Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Thermal incinerator. Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.	
GBD05	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GBD05	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GBD05	40 CFR Part 63, Subpart G	63G-2A	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Flare	

			Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.	
GBD05	40 CFR Part 63, Subpart G	63G-2B	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Thermal incinerator. Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.	
GBX02	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
GCD01	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above).	

			Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GCD01	40 CFR Part 63, Subpart G	63G-6A	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Flare Halogenated = Vent stream is not halogenated. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.	
GDVAC	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GDVAC	40 CFR Part 63, Subpart G	63G-4A	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Flare Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = A flow indicator is installed and operated at the entrance of the by-pass line.	
GDVAC	40 CFR Part 63,	63G-4B	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent.	

	Subpart G		Control Device = Thermal incinerator. Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = A flow indicator is installed and operated at the entrance of the by-pass line.	
GED03	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GED03	40 CFR Part 63, Subpart G	63G-2A	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Flare Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.	
GED03	40 CFR Part 63, Subpart G	63G-2B	Overlap = Title 40 CFR Part 60, Subpart NNN Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Thermal incinerator. Halogenated = Vent stream is not halogenated.	

			Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.	
GRPANVT-1	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPANVT-1	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPANVT-1	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	

GRPANVT-1	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPANVT-2	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRPBLRSTK	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
GRPCPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters,	

			ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPCPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPCPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPCPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPCPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.	

			Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPCPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPCPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPCPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	

GRPCPECPV	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPCPECPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPCPECPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPCPECPV	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used.	

			Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPCPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-1	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control. Designated Grp1 = The emission stream is designated as Group 1. Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(iv), § 63.2450(e)(5)(v), § 63.2450(u), § 63.2535(m)(2), [G] § 63.670, Deleted: § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), § [G] 63.997(c)(1), § 63.997(c)(3). Monitoring/Testing: Added [G] § 63.671, Deleted: § [G]63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § 63.2450(e)(5)(iii), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), § 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), § [G] 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G] 63.998(b)(1), § [G] 63.998(b)(2), § [G] 63.998(b)(3), § [G] 63.998(b)(5), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), [G] § 63.2520(d)(3), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), Deleted: § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G]63.999(a)(1), § [G]63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2)
GRPCPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-1A	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control. Designated Grp1 = The emission stream is designated as Group 1. Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.	In this operating scenario, requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added [G] § 63.2450(e)(5), § 63.2535(m)(2), [G] §63.670; Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3) Monitoring/Testing: Added [G] § 63.671; Deleted [G] § 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), [G] § 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii) Recordkeeping: Added [G] § 63.2525(m), §

			Bypass Line = No bypass lines.	63.998(d)(1); Deleted § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), [G] § 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), [G] § 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5), § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii) Reporting: Added § 63.2520(d)(3), [G] § 63.2520(e)(11) Deleted § 63.987(b)(1), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), [G] § 63.998(b)(3), [G] § 63.999(a)(1), [G] § 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(1), § 63.999(c)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i), § 63.999(c)(6)(iv), [G] § 63.999(d)(1), [G] § 63.999(d)(2), § 63.2450(f)(2)(ii)
GRPCPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-3	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i. Designated Grp1 = The emission stream is designated as Group 1. Small Device = A small control device (defined in § 63.2550) is not being used. 1257A1 = No design evaluation as specified in § 63.1257(a)(1) is being conducted. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.988(b)(2) = The control device meets criteria in § 63.985(b)(2). Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.988(b)(2)(ii), § 63.2450(e)(4), § 63.2450(u), Deleted: § 63.996(c)(1), § 63.996(c)(2), § 63.996(c)(2)(i), § 63.996(c)(3), § 63.996(c)(4), § 63.996(c)(5), § 63.996(c)(6). Monitoring/Testing: Added § 63.988(b)(2)(ii), Deleted: § 63.996(b)(1), § 63.996(b)(1)(i), § 63.996(b)(2), § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), [G] § 63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6). Recordkeeping: Added § 63.998(d)(1)(i), [G] § 63.998(d)(1)(iii), § 63.998(d)(1)(iv) Deleted: § 63.996(c)(2)(ii), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), [G] § 63.998(c)(1), § 63.998(c)(2)(iii), [G] § 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5), § 63.2450(k)(6), § 63.2525(g). Reporting: Deleted; § 63.996(b)(2), § 63.996(c)(6), [G] § 63.998(b)(3), [G] § 63.999(a)(1), [G] § 63.999(b)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i). Recordkeeping: Deleted citation § 63.2525(h) since it does not apply when CEMS is not used
GRPCPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-4	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet a ppmv standard per § 63.2455(a) - Table 1.1.a.i. Designated Grp1 = The emission stream is designated as Group 1. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(i)(3), § 63.2450(u), Deleted: [G] § 63.997(c)(1), § 63.2450(i)(1), § 63.2450(i)(2). Monitoring/Testing: Added § 63.2450(g)(6), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8),

			CEMS = A CEMS is not used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.985(b)(2). Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	Deleted: [G] § 63.997(c)(1). Recordkeeping: Added; § 63.998(c)(1)(i), § 63.998(c)(1)(ii)(A), § 63.998(c)(1)(ii)(B), § 63.998(c)(1)(ii)(C), § 63.998(c)(1)(ii)(H), § 63.998(d)(1)(i), [G] § 63.998(d)(1)(iii), § 63.998(d)(1)(iv), § 63.2450(e)(4)(viii), 63.2450(g)(6), 63.2450(k)(1)(ii), Deleted: § 63.996(c)(2)(ii), [G] § 63.998(c)(1), [G] § 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii). Reporting: Added: 63.2450(g)(5). Recordkeeping: Deleted citation § 63.2525(h) since it does not apply when CEMS is not used
GRPEMPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPEMPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPEMPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above).	

			Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPEMPEBPL	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPEMPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPEMPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPEMPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.	

			Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPEMPEBPV	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPEMPECPV	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPEMPECPV	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPEMPEC	30 TAC Chapter 115, Vent Gas	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission	

PV	Controls		specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPEMPEC PV	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPEMPEC PV	40 CFR Part 63, Subpart FFFF	63FFFF-1	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control. Designated Grp1 = The emission stream is designated as Group 1. Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(iv), § 63.2450(u), § 63.2535(m)(2), §[G] 63.670, Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3). Monitoring/Testing: Added § [G] 63.671 Deleted: § [G]63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: : Added § 63.2450(e)(5)(iii), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), § 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), § [G]63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), §

				63.998(d)(5). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), Deleted: § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G]63.999(a)(1), § [G]63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2)
GRPEMPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-1A	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control. Designated Grp1 = The emission stream is designated as Group 1. Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), [G] § 63.2450(e)(5), § 63.2450(u), § 63.2535(m)(2), [G] §63.670; Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3). Monitoring/Testing: Added [G] § 63.671; Deleted [G] § 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), [G] § 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added [G] § 63.2525(m), § 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), [G] § 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5), § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), Reporting: Added § 63.2520(d)(3), [G] § 63.2520(e)(11), § 63.2450(e)(5)(iv), § 63.2515(d), Deleted § 63.998(a)(1)(iii)(A), [G] § 63.998(b)(3), [G] § 63.999(a)(1), [G] § 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(1), § 63.999(c)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i), § 63.999(c)(6)(iv), [G] § 63.999(d)(1), [G] § 63.999(d)(2), 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3).
GRPEMPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-3	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i. Designated Grp1 = The emission stream is designated as Group 1. Small Device = A small control device (defined in § 63.2550) is not being used. 1257A1 = No design evaluation as specified in § 63.1257(a)(1) is being conducted. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.988(b)(2)(ii), § 63.2450(e)(4), § 63.2450(u), Deleted: § 63.996(c)(1), § 63.996(c)(2), § 63.996(c)(2)(i), § 63.996(c)(3), § 63.996(c)(4), § 63.996(c)(5), § 63.996(c)(6). Monitoring/Testing: Added § 63.988(b)(2)(ii), Deleted § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), § [G] 63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6), § 63.996(b)(1), § 63.996(b)(1)(i), § 63.996(b)(2). Recordkeeping: Added 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv),

			SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.988(b)(2) = The control device meets criteria in § 63.985(b)(2). Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	Deleted § 63.2450(k)(6), § 63.2525(g), § 63.2525(h), § 63.996(c)(2)(ii), § [G] 63.998(b)(1), § [G] 63.998(b)(2), § [G] 63.998(b)(3), § [G] 63.998(b)(5), § [G] 63.998(c)(1), § 63.998(c)(2)(iii), § [G] 63.998(d)(1),§ 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Deleted § 63.996(b)(2), § 63.996(c)(6), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(b)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i). Recordkeeping: Deleted citation § 63.2525(h) since it does not apply when CEMS is not used.
GRPEMPECPV	40 CFR Part 63, Subpart FFFF	63FFFF-4	Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet a ppmv standard per § 63.2455(a) - Table 1.1.a.i. Designated Grp1 = The emission stream is designated as Group 1. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.985(b)(2). Designated Hal = The emission stream is not designated as halogenated. Determined Hal = The emission stream is determined to be non-halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(i)(3), § 63.2450(u), Deleted: § 63.2450(i)(1), § 63.2450(i)(2), § [G] 63.997(c)(1). Monitoring/Testing: Added § 63.2450(g)(6), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8), Deleted § [G] 63.997(c)(1). Recordkeeping: Added § 63.2450(e)(4)(viii), § 63.2450(g)(6), § 63.2450(k)(1)(ii), § 63.998(c)(1)(i), § 63.998(c)(1)(ii)(A), § 63.998(c)(1)(ii)(B), § 63.998(c)(1)(ii)(C), § 63.998(c)(1)(ii)(H), 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted § 63.2525(h), § 63.996(c)(2)(ii), § [G] 63.998(d)(1), § [G] 63.998(d)(3)(i), § 63.998(d)(3)(ii). Reporting: Added § 63.2450(g)(5). Recordkeeping: Deleted citation § 63.2525(h) since it does not apply when CEMS is not used.
GRPEPVENT	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used.	

			Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPEPVENT	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPEPVENT	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
GRPEPVENT	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10	
GRPEPVENT	40 CFR Part 63, Subpart YY	63YY-BLR	Source Type = Ethylene production	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPEPVENT	40 CFR Part 63, Subpart YY	63YY-FL	Source Type = Ethylene production	The rule citations were determined from an analysis of the rule text and the basis of determination.

GRPEPVENT	40 CFR Part 63, Subpart YY	63YY-FLA	Source Type = Ethylene production	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPEPVENT	40 CFR Part 63, Subpart YY	63YY-INC1	Source Type = Ethylene production	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPEQTANK	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRPEXTRUD	30 TAC Chapter 115, Vent Gas Controls	R5121-4	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). VOC Concentration = VOC concentration is less than 30,000 ppmv. VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRPFURNSTK	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	

GRPFURNSTK	30 TAC Chapter 115, Vent Gas Controls	R5121-2	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.	
GRPGRANULE	30 TAC Chapter 115, Vent Gas Controls	R5121-4	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). VOC Concentration = VOC concentration is less than 30,000 ppmv. VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRPHON-PV	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
GRPHON-PV	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
GRPHON-PV	40 CFR Part 63, Subpart G	63G-3A	Overlap = Title 40 CFR Part 60, Subpart RRR Group 1 = The process vent meets the definition of a Group 1 process vent.	

			Control Device = Flare Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.	
GRPHON-PV	40 CFR Part 63, Subpart G	63G-3B	Overlap = Title 40 CFR Part 60, Subpart RRR Group 1 = The process vent meets the definition of a Group 1 process vent. Control Device = Thermal incinerator. Halogenated = Vent stream is not halogenated. Performance Test = No previous performance test was conducted. Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118. By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device. Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.	
GRPLOADOUT	30 TAC Chapter 115, Vent Gas Controls	R5121-4	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). VOC Concentration = VOC concentration is less than 30,000 ppmv. VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRPPELLET	30 TAC Chapter 115, Vent Gas Controls	R5121-4	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.	

			Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). VOC Concentration = VOC concentration is less than 30,000 ppmv. VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
G-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
G-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
O-REGEN	30 TAC Chapter 115, Vent Gas Controls	R5121-5	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream originates from the catalyst regeneration of a petroleum or chemical process system, basic oxygen furnace, or fluid coking unit. Total Uncontrolled VOC Weight = The vent gas stream emits less than or equal to 5 tons of total uncontrolled VOC in any one calendar year and is claiming with the exemption 30 TAC § 115.127(c)(2).	
O-VENTGAS	30 TAC Chapter 115, Vent Gas	R5121-10	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission	

	Controls		specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).	
O-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare	
O-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-16A	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.	
O-VENTGAS	30 TAC Chapter 115, Vent Gas Controls	R5121-20	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Alternate Control Requirement = Alternate control is not used. Control Device Type = Other vapor control/recovery system, as defined in 30 TAC §	

			115.10	
PE-REGEN	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
U_LAB	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above). Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
UFF01A	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
UFF01B	30 TAC Chapter 111, Visible	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	

	Emissions		Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
PROEXTRUD	40 CFR Part 60, Subpart DDD	60DDD-02	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%. Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).	
PROGRANUL1	40 CFR Part 60, Subpart DDD	60DDD-02	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy). Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%. Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561). Table 3 Control Requirements = Calculations from Table 3 do not require controls.	
PROGRANUL2	40 CFR Part 60, Subpart DDD	60DDD-02	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy). Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.	

			Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561). Table 3 Control Requirements = Calculations from Table 3 do not require controls.	
PROGRANUL3	40 CFR Part 60, Subpart DDD	60DDD-03	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater. Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater. Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561). Table 3 Control Requirements = Calculations from Table 3 do not require controls.	
PROLDOUT1	40 CFR Part 60, Subpart DDD	60DDD-02	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy). Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater. Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561). Table 3 Control Requirements = Calculations from Table 3 do not require controls.	
PROLDOUT2	40 CFR Part 60, Subpart DDD	60DDD-03	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater. Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater. Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).	

			Table 3 Control Requirements = Calculations from Table 3 do not require controls.	
PROPELLET	40 CFR Part 60, Subpart DDD	60DDD-02	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After January 10, 1989. Experimental Process Line = The affected facility is a production process line. Polyolefin Production = More than one polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%. Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).	
GRPCPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-14	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(iv),§ 63.2450(e)(5)(v), § 63.2450(e)(6), § 63.2450(e)(6)(iii), § 63.2450(e)(6)(v), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] § 63.670 Deleted: §63.11(b), §63.2460(b), §63.987(a), §63.987(b)(1), §63.987(b)(3), [G] §63.997(c)(1), §63.997(c)(3) Monitoring/Testing: Added [G] § 63.671, Deleted , § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § [G]63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § 63.2450(e)(5)(iii), [G] § 63.2520(d)(3), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), § 63.2525(n), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), § [G]63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), [G] § 63.2520(d)(3), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), § 63.2520(e)(12), Deleted: § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3), §

				63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G]63.999(a)(1), § [G]63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2).
GRPCPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-14A	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), [G] § 63.2450(e)(5), § 63.2450(e)(6), § 63.2450(e)(6)(iii), § 63.2450(e)(6)(v), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] §63.670; Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3), § 63.2460(b) Monitoring/Testing: Added [G] § 63.671; Deleted [G] § 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), [G] § 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii), § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(iv), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6) Recordkeeping: Added [G] § 63.2525(m), § 63.2525(n) Deleted § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), [G] § 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), [G] § 63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5), § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(d)(3), [G] § 63.2520(e)(11), § 63.2520(e)(12) Deleted § § 63.987(b)(1), 63.997(c)(3), § 63.998(a)(1)(iii)(A), [G] § 63.998(b)(3), [G] § 63.999(a)(1), [G] § 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i), § 63.999(c)(6)(iv), [G] § 63.999(d)(1), [G] § 63.999(d)(2), 63.2450(f)(2)(ii), § 63.2460(c)(3)(i),
GRPCPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-15	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.988(b)(2).	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(e)(6), § 63.2450(e)(6)(iii), § 63.2450(e)(6)(v), § 63.2450(i)(3), § 63.2450(u), Deleted: § 63.2450(i)(1), § 63.2450(i)(2), § [G]63.997(c)(1), Monitoring/Testing: Added § 63.2450(e)(4)(vii), § 63.2450(g)(6), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8), Deleted: § [G]63.997(c)(1). Recordkeeping: Added § 63.2450(e)(4)(viii), § 63.2450(g)(6), § 63.2450(k)(1)(ii), § 63.2450(k)(7), § 63.2525(n), 63.998(c)(1)(i), 63.998(c)(1)(ii)(A),

			Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	63.998(c)(1)(ii)(B), 63.998(c)(1)(ii)(C), 63.998(c)(1)(ii)(H), Deleted: § 63.996(c)(2)(ii), § [G] 63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii). Reporting: Added § 63.2450(g)(5), § 63.2520(e)(12)
GRPCPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-16	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.988(b)(2) = The control device meets the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.988(b)(2)(ii), § 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(e)(6), § 63.2450(e)(6)(iv), § 63.2450(e)(6)(v), § 63.2450(u), Deleted: § 63.996(c)(1), § 63.996(c)(2), § 63.996(c)(2)(i), § 63.996(c)(3), § 63.996(c)(4), § 63.996(c)(5), § 63.996(c)(6). Monitoring/Testing: Added § 63.988(b)(2)(ii), Deleted: § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), § [G]63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § 63.996(b)(1), § 63.996(b)(1)(i), § 63.996(b)(2). Recordkeeping: Added § 63.2525(n), Deleted: § 63.2450(k)(6), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.2525(g), § 63.996(c)(2)(ii), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1), § 63.998(c)(2)(iii), § 63.998(c)(3)(iii), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2520(e)(12), Deleted: § 63.996(b)(2), § 63.996(c)(6), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(b)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i).
GRPCPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-10	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(iv), § 63.2450(e)(5)(v), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] § 63.670, Deleted: § 63.11(b), § 63.2460(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), § [G] 63.997(c)(1), § 63.997(c)(3). Monitoring/Testing: Added [G] § 63.671, Deleted: § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i),

			Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	§ 63.2460(c)(4), § 63.2460(c)(6), § [G]63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § 63.2450(e)(5)(iii), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), § 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), § [G]63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1),), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2520(d)(3), § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), Deleted: § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G]63.999(a)(1), § [G]63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2).
GRPCPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-10A	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), [G] § 63.2450(e)(5), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] §63.670; Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3), § 63.2460(b). Monitoring/Testing: Added [G] § 63.671; Deleted [G] § 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), [G] § 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii), § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6) Recordkeeping: Added [G] § 63.2525(m), § 63.998(d)(1)(i), § [G] 63.998(d)(1)(iii), § 63.998(d)(1)(iv); Deleted § 63.987(c), § 63.998(a)(1), [G] § 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), [G] § 63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.2450(f)(2), §

				63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.987(b)(1), § [G] 63.998(d)(1), § 63.998(d)(5), Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(d)(3), [G] § 63.2520(e)(11) Deleted § 63.997(c)(3), § 63.998(a)(1)(iii)(A), [G] § 63.998(b)(3), [G] § 63.999(a)(1), [G] § 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(1), § 63.999(c)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i), § 63.999(c)(6)(iv), [G] § 63.999(d)(1), [G] § 63.999(d)(2),), 63.2450(f)(2)(ii), § 63.2460(c)(3)(i), § 63.987(b)(1), § 63.999(c)(1), § 63.999(c)(2)(i).
GRPCPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-11	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(i)(3), § 63.2450(u), Deleted: § 63.2450(i)(1), § 63.2450(i)(2), § [G] 63.997(c)(1). Monitoring/Testing: Added § 63.2450(g)(6), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8), Deleted § [G] 63.997(c)(1) Recordkeeping: Added § 63.2450(e)(4)(viii), § 63.2450(g)(6), § 63.2450(k)(1)(ii), § 63.2450(k)(7), § 63.998(c)(1)(i), § 63.998(c)(1)(ii)(A), § 63.998(c)(1)(ii)(B), § 63.998(c)(1)(ii)(C), § 63.998(c)(1)(ii)(H), § 63.998(d)(1)(i), [G]§ 63.998(d)(1)(iii),), § 63.998(d)(1)(iv), Deleted § 63.996(c)(2)(ii), § [G] 63.998(c)(1), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), Reporting: Added § 63.2450(g)(5).
GRPCPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-12	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.988(b)(2) = The control device meets the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(c)(2)(i), § 63.2450(e)(4), § 63.2450(u), § 63.988(b)(2)(ii), Deleted: § 63.996(c)(1), § 63.996(c)(2), § 63.996(c)(2)(i),), § 63.996(c)(3), § 63.996(c)(4), § 63.996(c)(5), § 63.996(c)(6). Monitoring/Testing: Added § 63.988(b)(2)(ii), Deleted: § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), § [G]63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § 63.996(b)(1), § 63.996(b)(1)(i), § 63.996(b)(2). Recordkeeping: Added § 63.998(d)(1)(i), [G]§

			Determined HAL = The emission stream is determined not to be halogenated. HAL Device Type = No halogen scrubber or other halogen reduction device is used. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted § 63.2450(k)(6), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.2525(g), § 63.996(b)(2), § 63.996(c)(2)(ii), § 63.996(c)(6), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1), § 63.998(c)(2)(iii), § 63.998(c)(3)(iii), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Deleted § 63.996(b)(2), § 63.996(c)(6), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(b)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i).
GRPEMPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-14	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(v), § 63.2450(e)(6), § 63.2450(e)(6)(iii), § 63.2450(e)(6)(v), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] § 63.670, Deleted: §63.11(b), §63.2460(b), §63.987(a), §63.987(b)(1), §63.987(b)(3), [G] §63.997(c)(1), §63.997(c)(3) Monitoring/Testing: Added [G] § 63.671, Deleted: § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § [G]63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § 63.2450(e)(5)(iii), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), § 63.2525(n), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), § [G]63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), § 63.2520(e)(12), Deleted: § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G]63.999(a)(1), § [G]63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), §

				[G] 63.999(d)(1), § [G] 63.999(d)(2).
GRPEMPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-14A	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	In this operating scenario, requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), [G] § 63.2450(e)(5), § 63.2450(e)(6), § 63.2450(e)(6)(iii), § 63.2450(e)(6)(v), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] §63.670, Deleted: § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3), § 63.2460(b). Monitoring/Testing: Added [G] § 63.671, Deleted [G] § 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), [G] § 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii), § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(iv), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6). Recordkeeping: Added [G] § 63.2525(m), § 63.2525(n), Deleted § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), [G] § 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), [G] § 63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.998(d)(5). Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(d)(3), [G] § 63.2520(e)(11), § 63.2520(e)(12), Deleted: § 63.997(c)(3), § 63.998(a)(1)(iii)(A), [G] § 63.998(b)(3), [G] § 63.999(a)(1), [G] § 63.999(a)(2), § 63.999(b)(5), § § 63.999(c)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i), § 63.999(c)(6)(iv), [G] § 63.999(d)(1), [G] § 63.999(d)(2), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(i), § 63.987(b)(1).
GRPEMPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-15	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(6), § 63.2450(e)(6)(iii), § 63.2450(e)(6)(v), § 63.2450(i)(3), § 63.2450(u), Deleted: § 63.2450(i)(1), § 63.2450(i)(2), § [G]63.997(c)(1), Monitoring/Testing: Added § 63.2450(e)(4)(vii), § 63.2450(g)(6), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8), Deleted: § [G]63.997(c)(1), Recordkeeping: Added § 63.2450(e)(4)(viii), § 63.2450(g)(6), § 63.2450(k)(1)(ii), § 63.2450(k)(7), § 63.2525(n), 63.998(c)(1)(i), 63.998(c)(1)(ii)(A), 63.998(c)(1)(ii)(B), 63.998(c)(1)(ii)(C), 63.998(c)(1)(ii)(H), Deleted: § 63.996(c)(2)(ii), § [G]

			Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	63.998(c)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii). Reporting: Added § 63.2450(g)(5), § 63.2520(e)(12)
GRPEMPEBPL	40 CFR Part 63, Subpart FFFF	63FFFF-16	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.988(b)(2) = The control device meets the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(6), § 63.2450(e)(6)(iv), § 63.2450(e)(6)(v), § 63.2450(u), § 63.988(b)(2)(ii), Deleted: § 63.996(c)(1), § 63.996(c)(2), § 63.996(c)(2)(i), § 63.996(c)(3), § 63.996(c)(4), § 63.996(c)(5), § 63.996(c)(6). Monitoring/Testing: Added § 63.988(b)(2)(ii), Deleted: § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), § [G]63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § 63.996(b)(1), § 63.996(b)(1)(i), § 63.996(b)(2). Recordkeeping: Added § 63.2525(n), Deleted: § 63.2450(k)(6), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.2525(g), § 63.996(c)(2)(ii), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1), § 63.998(c)(2)(iii), § 63.998(c)(3)(iii), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Added § 63.2520(e)(12), Deleted: § 63.996(b)(2), § 63.996(c)(6), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(b)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i).
GRPEMPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-10	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(e)(5)(ii), § 63.2450(e)(5)(iii), § 63.2450(e)(5)(v), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] § 63.670, Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3), § 63.2460(b). Monitoring/Testing: Added [G] § 63.671, Deleted: § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § [G]63.987(b)(3)(i), § 63.987(b)(3)(ii), §

				63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), § [G] 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii). Recordkeeping: Added § 63.2450(e)(5)(iii), § 63.2525(m), § 63.2525(m)(1), [G] § 63.2525(m)(2), § 63.2525(m)(3), § 63.2525(m)(4), § 63.2525(m)(5), § 63.2525(m)(6), § 63.2525(m)(7), § 63.2525(m)(11), § 63.2525(m)(12), § 63.2525(m)(13), § 63.2525(m)(14), § 63.998(d)(1)(i), § [G]63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted: § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.987(b)(1), § 63.987(c), § 63.998(a)(1), § [G]63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1),), § [G] 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5).. Reporting: Added § 63.2450(e)(5)(iv), § 63.2515(d), § 63.2520(e)(11), § 63.2520(e)(11)(i), § 63.2520(e)(11)(ii), § 63.2520(e)(11)(iii), [G] § 63.2520(e)(11)(iv), Deleted: § 63.2450(f)(2)(ii), § 63.987(b)(1), § 63.997(c)(3), § 63.998(a)(1)(iii)(A), § [G]63.998(b)(3), § [G]63.999(a)(1), § [G]63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i), § 63.999(c)(6)(iv), § [G] 63.999(d)(1), § [G] 63.999(d)(2).
GRPEMPEB PV	40 CFR Part 63, Subpart FFFF	63FFFF-10A	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = Data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(e)(5), § 63.2450(u), § 63.2460(b)(5)(iii), § 63.2535(m)(2), [G] §63.670; Deleted § 63.11(b), § 63.987(a), § 63.987(b)(1), § 63.987(b)(3), [G] § 63.997(c)(1), § 63.997(c)(3), § 63.2460(b). Monitoring/Testing: Added [G] § 63.671; Deleted [G] § 63.987(b)(3)(i), § 63.987(b)(3)(ii), § 63.987(b)(3)(iii), § 63.987(b)(3)(iv), § 63.987(c), § 63.997(a), [G] § 63.997(c)(1), § 63.997(c)(2), § 63.997(c)(3), § 63.997(c)(3)(i), § 63.997(c)(3)(ii), § 63.2460(c)(2)(i), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6). Recordkeeping: Added [G] § 63.2525(m); Deleted § 63.987(c), § 63.998(a)(1), [G] § 63.998(a)(1)(i), § 63.998(a)(1)(ii), § 63.998(a)(1)(iii)(A), § 63.998(a)(1)(iii)(B), [G] § 63.998(b)(1), [G] § 63.998(b)(2), [G] § 63.998(b)(3), [G] § 63.998(b)(5), [G] § 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(3)(iii), § 63.998(d)(3)(iv), § 63.2450(f)(2), § 63.2450(f)(2)(i), § 63.2450(f)(2)(ii), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.987(b)(1), § [G] 63.998(d)(1), § 63.998(d)(5). Reporting: Added § 63.2520(d)(3), [G] § 63.2520(e)(11), § 63.2450(e)(5)(iv), § 63.2515(d), §

				63.998(d)(1)(i), [G] § 63.998(d)(1)(iii), § 63.998(d)(1)(iv),; Deleted § 63.997(c)(3), § 63.998(a)(1)(iii)(A), [G] § 63.998(b)(3), [G] § 63.998(d)(1), [G] § 63.999(a)(1), [G] § 63.999(a)(2), § 63.999(b)(5), § 63.999(c)(3), § 63.999(c)(6), [G] § 63.999(c)(6)(i), § 63.999(c)(6)(iv), [G] § 63.999(d)(1), [G] § 63.999(d)(2), 63.2450(f)(2)(ii), § 63.2460(c)(3)(i), § 63.987(b)(1), § 63.999(c)(1), § 63.999(c)(2)(i).
GRPEMPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-11	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(i)(3), § 63.2450(u), Deleted: § 63.2450(i)(1), § 63.2450(i)(2), § [G] 63.997(c)(1). § 63.996(c)(1). Monitoring/Testing: Added § 63.2450(g)(6), § 63.2450(e)(4)(vii), § 63.2450(i)(3), § 63.2450(k)(7), § 63.2450(k)(8), Deleted § [G] 63.997(c)(1). Recordkeeping: Added § 63.2450(e)(4)(viii), § 63.2450(g)(6), § 63.2450(k)(1)(ii), § 63.2450(k)(7), § 63.998(c)(1)(i), § 63.998(c)(1)(ii)(A), § 63.998(c)(1)(ii)(B), § 63.998(c)(1)(ii)(C), § 63.998(c)(1)(ii)(H), § 63.998(d)(1)(i), [G] § 63.998(d)(1)(iii), § 63.998(d)(1)(iv) Deleted § 63.996(c)(2)(ii), [G]§ 63.998(c)(1), [G]§ 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii). Reporting: Added § 63.2450(g)(5).
GRPEMPEBPV	40 CFR Part 63, Subpart FFFF	63FFFF-12	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare. Small Device = A small control device (defined in § 63.2550) is not being used. Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. CEMS = A CEMS is not used. SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel. Meets 63.988(b)(2) = The control device meets the criteria in § 63.988(b)(2). Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated. Prior Eval = The data from a prior evaluation or assessment is not used. Assessment Waiver = The Administrator has not granted a waiver of compliance	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(e)(4), § 63.2450(u), § 63.988(b)(2)(ii), Deleted: § 63.996(c)(1), § 63.996(c)(2), § 63.996(c)(2)(i), § 63.996(c)(3), § 63.996(c)(4), § 63.996(c)(5), § 63.996(c)(6). Monitoring/Testing: Added § 63.988(b)(2)(ii), Deleted: § 63.2450(g), § 63.2450(g)(1), § 63.2450(g)(2), § [G] 63.2450(g)(3), § 63.2450(g)(4), § 63.2450(k)(6), § 63.2460(c)(2)(ii), § 63.2460(c)(2)(vi), § 63.2460(c)(3), § 63.2460(c)(3)(i), § 63.2460(c)(4), § 63.2460(c)(6), § 63.996(b)(1), § 63.996(b)(1)(i), § 63.996(b)(2). Recordkeeping: Added § 63.998(d)(1)(i), [G] § 63.998(d)(1)(iii), § 63.998(d)(1)(iv), Deleted § 63.2450(k)(6), § 63.2460(c)(3)(ii), § 63.2460(c)(6), § 63.2525(g), § 63.996(c)(2)(ii), § [G]63.998(b)(1), § [G]63.998(b)(2), § [G]63.998(b)(3), § [G]63.998(b)(5), § [G]63.998(c)(1), § 63.998(c)(2)(iii),

			assessment or no waiver has been requested. Formaldehyde = The stream does not contain formaldehyde. Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure. Bypass Line = No bypass lines.	§ 63.998(c)(3)(iii), [G] § 63.998(d)(1), § 63.998(d)(3)(i), § 63.998(d)(3)(ii), § 63.998(d)(5). Reporting: Deleted § 63.996(b)(2), § 63.996(c)(6), § [G] 63.998(b)(3), § [G] 63.999(a)(1), § [G] 63.999(b)(3), § 63.999(c)(6), § [G] 63.999(c)(6)(i).
GRPFURNACE	40 CFR Part 63, Subpart YY	63YY-2	Research and Development = THE PROCESS UNIT IS USED IN PRODUCTION Flexible Unit = THE PROCESS UNIT IS DEDICATED TO ONE PRODUCT Primary Product = THE PRIMARY PRODUCT OF THE PROCESS UNIT IS A PRODUCT PRODUCED BY A REGULATED SOURCE CATEGORY Source Category = ETHYLENE PRODUCTION	The rule citations were determined from an analysis of the rule text and the basis of determination.
PE-REGEN	40 CFR Part 63, Subpart FFFF	63FFFF-9	Designated Grp1 = The emission stream is not designated as Group 1. Determined Grp1 = The emission stream is determined to be Group 2.	In this operating scenario, the requirements correspond to the general duty requirements of § 63.2450(u) applicable after August 12, 2023. Related Standard Added; § 63.2450(u)
PROMEGCMPU	40 CFR Part 63, Subpart F	63F-1	Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii). Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2. Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested. Heat Exchange System = A heat exchange system is utilized. Cooling Water Pressure = The heat exchange system is not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side. Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water. Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F. NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration. Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv). Table 9 HAP Content = The once-through heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G. Cooling Water Monitored = The cooling water is not being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.	

PROPEMCPU	40 CFR Part 63, Subpart FFFF	63FFFF-MCPU	Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less. Other Operations = The MCPU includes operations other than those listed in § 63.2435(c). 63.100 CMPU = The MCPU is not a CMPU defined in § 63.100. G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr. Startup 2003 = The affected source startup was on or after November 10, 2003. Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63. PUG = The MCPU is not part of a process unit group (PUG). Startup 2002 = The affected source initial startup was on or after April 4, 2002. >1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr. Reduction = Reducing the halogen atom mass emission rate from the sum of all batch process vents and each individual continuous process vent to less than 0.45 kg/hr by venting through one or more closed-vent systems to a halogen reduction device. New Source = The MCPU is a new affected source as described in § 63.2440(c)(1) or (2). HAP Metals = Uncontrolled emissions from process vents are less than 150 lb/yr of HAP metals. Fabric Filter = A fabric filter is not used to control HAP metals. Small Cd = A small control device (defined in § 63.2550) is not being used. Design Eval = Compliance with emission limits is being determined by performance test. Batch Process Vents = The source includes batch process vents.	In this operating scenario, the requirements correspond to those applicable after August 12, 2023. The following citations were added or removed to address this compliance option: Related Standards: Added § 63.2450(u), Deleted: § 63.2450(l). 63.2460(c)(1). Monitoring/Testing: Added § 63.2460(c)(2)(vi), Deleted; § 63.2460(c)(2)(v). Recordkeeping: Added § [G] 63.2450(k)(1), § 63.2520(e)(4), § [G] 63.2525(l) Reporting: Added § 63.2520(d)(1), § [G] 63.2520(d)(2), § [G] 63.2520(d)(3), § 63.2520(e)(12), § [G] 63.2520(e)(16), § [G] 63.2520(h), § [G] 63.2520(i), Deleted; § 63.2460(c)(1). § [G] 63.2520(d), § 63.2520(e)(4).

* - The “unit attributes” or operating conditions that determine what requirements apply
** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit (FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOPs are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. In addition, many of the permits are accessible online through the link provided below. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

New Source Review Authorization References

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: GHGPSDTX170	Issuance Date: 04/21/2023
PSD Permit No.: PSDTX1518	Issuance Date: 04/21/2023
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits by Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 146425	Issuance Date: 04/21/2023
Authorization No.: 172982	Issuance Date: 07/12/2023
Authorization No.: 173461	Issuance Date: 08/04/2023
Permits by Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

Permits by Rule

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the “as applicable” language. The “as applicable” language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The permit holder is required to keep records for demonstrating compliance with PBRs in accordance with 30 TAC § 106.8 for the following categories:

- As stated in 30 TAC § 106.8(a), the permit holder is not required to keep records for de minimis sources as designated in 30 TAC § 116.119.
- As stated in 30 TAC § 106.8(b) for PBRs on the insignificant activities list, the permit holder is required to provide information that would demonstrate compliance with the general requirements of 30 TAC § 106.4.
- As stated in 30 TAC § 106.8(c) for all other PBRs, the permit holder must maintain sufficient records to demonstrate compliance with the general requirements specified in 30 TAC § 106.4 and to demonstrate compliance with the emission limits and any specific conditions of the PBR as applicable.

The application, or a previously submitted application, contains a PBR Supplemental Table. This table provides supplemental information for all PBR authorizations at the site or application area, including PBRs that are not listed on the OP-REQ1 form. PBRs that are not listed on the OP-REQ1 form authorize emission units that the TCEQ has determined are insignificant sources of emissions (IEUs). PBRs are enforceable through permit condition number 21. The EPA gives States broad discretion in prescribing monitoring, recordkeeping, and reporting for generally applicable requirements that cover insignificant emission units. (see EPA *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*). Federal regulations specifically identify recordkeeping as an appropriate level of monitoring necessary to assure compliance with the requirements applicable to an emissions unit. Permitting authorities have the best sense of where it is appropriate to conclude that periodic monitoring is not necessary for IEUs, when state program rules already provide sufficient monitoring for these units.

In the case of IEUs in particular, the recordkeeping in 30 TAC §106.8 is sufficient because the units do not have the potential to violate emission limitations or other requirements under normal operating conditions. In particular, where the establishment of a regular program of monitoring would not significantly enhance the ability of the permit to assure compliance with the applicable requirement, the permitting authority can provide that the applicable requirement has monitoring sufficient to yield reliable data that is representative of the emission unit's compliance with the limitations. Therefore, for IEUs compliance with 30 TAC §106.8 is sufficient to meet federal monitoring requirements.

The PBR records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, or parametric monitoring. The PBR records also satisfy the federal operating permit periodic monitoring requirements of 30 TAC § 122.142(c) as they are representative of the emission unit's compliance with 30 TAC Chapter 106.

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the

federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Compliance Assurance Monitoring (CAM):

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;

2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and

3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

Unit/Group/Process Information	
ID No.: C-VENTGAS	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: C-VENTGAS	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: C-VENTGAS	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: E-VENTGAS	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: E-VENTGAS	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: E-VENTGAS	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GBD02	
Control Device ID No.: GBX02	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GBD02	
Control Device ID No.: GFFLARE01	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GBD05	
Control Device ID No.: GBX02	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GBD05	
Control Device ID No.: GFFLARE01	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GCD01	
Control Device ID No.: GFFLARE01	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPANVT-1	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 ºF shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPANVT-1	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPANVT-1	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: All periods of operation that is not recorded.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPCPEBPL	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPCPEBPL	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPCPEBPL	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPCPEBPV	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPCPEBPV	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPCPEBPV	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPCPECPV	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPCPECPV	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPCPECPV	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPEMPEBPL	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPEMPEBPL	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPEMPEBPL	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPEMPEBPV	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPEMPEBPV	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPEMPEBPV	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPEMPECPV	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPEMPECPV	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPEMPECPV	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPEPVENT	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 ºF shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPEPVENT	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPEPVENT	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: All periods of operation that is not recorded.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: GRPHON-PV	
Control Device ID No.: GBX02	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPHON-PV	
Control Device ID No.: GFFLARE01	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: G-VENTGAS	
Control Device ID No.: GBX02	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: G-VENTGAS	
Control Device ID No.: GFFLARE01	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: O-VENTGAS	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: O-VENTGAS	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-16
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: O-VENTGAS	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-20
Pollutant: VOC	Main Standard: § 115.122(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information
ID No.: GAD03

Control Device ID No.: GAD09A-D	Control Device Type: Carbon Adsorption System (Non-Regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-14
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per liquid transfer/loading event	
Averaging Period: 1-Minute	
Deviation Limit: A deviation shall be reported if the carbon canister is not replaced prior to the next liquid tranfer/loading event after breakthrough has occurred.	
Basis of monitoring: A common way to monitor a non-regenerative carbon adsorption system is by measuring the outlet VOC concentration with a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. An increase in VOC concentration demonstrates when the carbon canister needs to be replaced. This indicator is consistent with the EPA "CAM Technical Guidance Document" (August 1998). Outlet VOC concentration has been used as an indicator of VOC emissions in many federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, and RRR; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GBX02	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if visible emissions are observed or if opacity exceeds 15% averaged over a six-minute period.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPBLRSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if visible emissions are observed or if opacity exceeds 15% averaged over a six-minute period.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPEQTANK	
Control Device ID No.: ZWSRCO1A	Control Device Type: Catalytic Incinerator
Control Device ID No.: ZWSRCO1B	Control Device Type: Catalytic Incinerator
Control Device ID No.: ZWSRCO1C	Control Device Type: Catalytic Incinerator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-31
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Catalyst Bed Inlet and Outlet Gas Temperature	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: A minimum catalyst be temperature of 700 °F shall be maintained before establishing a minimum catalyst bed temperature using the most recent performance test or stack testing data.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum inlet and outlet gas temperature across the catalyst bed of a catalytic incinerator. These minimum temperatures must be maintained in order for the proper destruction efficiency. Operation below the minimum temperatures will result in incomplete combustion and a loss in the VOC destruction efficiency of the catalytic incinerator. Monitoring the catalyst bed inlet and outlet temperature is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts DD, EE and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPEQTANK	
Control Device ID No.: ZWSRCO1A	Control Device Type: Catalytic Incinerator
Control Device ID No.: ZWSRCO1B	Control Device Type: Catalytic Incinerator
Control Device ID No.: ZWSRCO1C	Control Device Type: Catalytic Incinerator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Catalyst Bed Inlet and Outlet Gas Temperature	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: A minimum catalyst be temperature of 700 °F shall be maintained before establishing a minimum catalyst bed temperature using the most recent performance test or stack testing data.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum inlet and outlet gas temperature across the catalyst bed of a catalytic incinerator. These minimum temperatures must be maintained in order for the proper destruction efficiency. Operation below the minimum temperatures will result in incomplete combustion and a loss in the VOC destruction efficiency of the catalytic incinerator. Monitoring the catalyst bed inlet and outlet temperature is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts DD, EE and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPEQTANK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if the applicant fails to measure and record the fugitive emissions from the vapor collection system annually.	
Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.	

Unit/Group/Process Information	
ID No.: GRPEQTANK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: A deviation limit shall be reported if the applicant fails to perform a visual inspection annually.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

Unit/Group/Process Information	
ID No.: GRPFURNSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if visible emissions are observed or if opacity exceeds 15% averaged over a six-minute period.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPHFOTANK	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-21
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: GRPHFOTANK	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-22
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: GRPHFOTANK	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-25
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of monitoring: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: RAD02	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-11
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: RBD28	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of monitoring: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: RBD28	
Control Device ID No.: UFFLARE01	Control Device Type: Flare
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not detected.	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: RBD28	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-2
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: UFF01A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if visible emissions are observed or if opacity exceeds 15% averaged over a six-minute period.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: UFF01B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if visible emissions are observed or if opacity exceeds 15% averaged over a six-minute period.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: ZMTK01	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-4
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if the repairs are not completed prior to refilling the storage vessel.	
Basis of monitoring: The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the “Periodic Monitoring Technical Reference Document” (April 1999) to monitor VOC sources.	

Unit/Group/Process Information	
ID No.: ZMTK01	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-4
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if the applicant fails to keep a record of the tank construction specifications.	
Basis of monitoring: The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the “Periodic Monitoring Technical Reference Document” (April 1999) to monitor VOC sources.	

Unit/Group/Process Information	
ID No.: ZTD08	
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-26
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: ZTD08	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-27
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: ZTD08	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-30
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of monitoring: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: ZTD12	
Control Device ID No.: USSG01A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: USSG01C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: If vent gas is being sent to the boiler and the boiler is not in operation, it shall be reported as a deviation.	
Basis of monitoring: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Unit/Group/Process Information	
ID No.: ZTD12	
Control Device ID No.: UFFLARE01	Control Device Type: Flare
Control Device ID No.: UFFLARE02	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if a pilot flame is not present.	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: ZTD12	
Control Device ID No.: UFF01A	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: UFF01B	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-2
Pollutant: VOC	Main Standard: § 115.132(c)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: A minimum combustion temperature of 1400 °F shall be maintained before establishing a minimum combustion temperature using the most recent performance test or stack testing data.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: ZTTK04	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-20
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Basis of monitoring: Visual inspections of the external or internal floating roof to ensure: that the roof is floating on the surface of the VOC and not on the leg supports, liquid has not accumulated on the external floating roof, the seals are not detached, and there are no holes or tears in the seal fabric; provides an assurance of compliance that it is operating in accordance with its design to meet the required control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115, Subchapter B, Division 1: Storage of VOCs. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115, Subchapter B, Division 1: Storage of VOCs.	

Unit/Group/Process Information	
ID No.: ZTTK05	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-20
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: A deviation shall be reported if the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Basis of monitoring: The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.	

Obtaining Permit Documents
The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (https://www.tceq.texas.gov/goto/cfr-online). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

1. www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html
2. Historical Standard Exemption lists may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Additional information concerning PBRs is available on the TCEQ website:

https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing

OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes
OP-UA64 - Coal Preparation Plant Attributes